

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. 004002		
APPLICANT NAME City of Roslyn	CONTACT NAME Adam Gravley	TELEPHONE NO. (206) 382-9540
WATER RIGHT HOLDER'S NAME (if different) P.L.P (Richard Pott)		EMAIL agravley@buckgordon.com

DATE OF APPLICATION March 22, 2005	PRIORITY DATE April 30, 1875
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WATER SOURCE: Currier Creek, tributary to the Yakima River	CROP: Timothy Hay
INSTANTANEOUS QUANTITY: 3.0 cfs	ANNUAL QUANTITY: 864 acre-feet
PERIOD OF USE: April 1 to October 15	
PLACE OF USE: That portion of the NW1/4 of Section 34, T. 18 N., R 18 E.W.M. lying southwesterly of the Burlington Northern R.R. right of way. Except that portion described as follows: Commencing at the west quarter corner of said section; thence east 795 feet, more or less, to the point of beginning; thence east 570 feet, more or less thence N 60 degrees 30' W 127.05 feet; thence N 34 degrees W90.35 feet; thence south 85 feet, more or less; thence west 195.35 feet; thence south 161 feet to the point of beginning.	PURPOSE OF USE: Irrigation of 72 acres
IRRIGATION METHOD: Flood Irrigation	

<p>CONSUMPTIVE USE CALCULATION:</p> <p>Consumptive use is based on the Washington Irrigation Guide crop irrigation requirement (CIR) estimate for clover in the Ellensburg area and evaporative loss associated with conveyance and irrigation application (Ea). In calculating the CIR, clover was used as a proxy for timothy hay. The average CIR for clover is 33.14 inches per acre annually and was adjusted upward by 4 inches per acre to account for drought conditions during for a total adjusted CIR of 37.14 inches per acre annually. The on-farm efficiency for conveyance and irrigation application is assumed to be 50% based on generally accepted estimates for flood irrigation. Therefore, the total diversion quantity is estimated at 74.28 inches per acre. (As a side note, the water right provides</p>

for a diversion of 144 inches per acre.) The Ea is based on 5% of the total diversion quantity and is estimated at 3.71 inches per acre (74.28 inches x 5%). Therefore, the consumptive use calculation is as follows: (CIR-adjusted + Ea) x 72 irrigated acres; or (37.14 inches + 3.71 inches) x 72 acres = 2,941.49 inches/12 = 245 acre-feet of consumptive water.

NARRATIVE DESCRIPTION OF PROJECT:

The City of Roslyn is proposing to change and transfer the P.L.P. water right to the State Trust Water Rights program to mitigate for the City's out-of-priority withdrawals from Domerie Creek during prorationing in the Yakima Basin. Specifically, the City's transfer application proposes to change the purpose of use from irrigation to instream flow from April 15 to October 30; change the place of use to Currier Creek and the Yakima River as part of TWSA; and confirm that the resulting trust water right will mitigate for 245 AF of consumptive water use under the City's Domerie Creek water right. In addition to the permanent transfer, the City also intends to propose a temporary transfer to the State Trust Water Rights for 2005.